COMING EVENTS

For this issue only, the meetings listed below are restricted to new or revised listings received since August 1987, together with those (★) sponsored by IUGS, one of its Affiliated Associations or joint ventures such as IGCP or ICL. For a complete list see the September 1987 or March 1988 Episodes.

1988

March 1 - 2, 1988

FOURTH ANNUAL V.E. McKELVEY FORUM ON MINERAL AND ENERGY RESOURCES (U.S. Geological Survey Conference), Denver, Colorado, U.S.A. (Buhler and Abraham, Inc., 8700 First Avenue, Silver Spring, MD 20910, U.S.A.)

March 1 - 2, 1988

THE QUANTIFICATION OF SEDIMENT BODY GEOMETRIES AND THEIR INTERNAL HETEROGENEITIES (Geological Society Meeting), London, U.K. (Dr. Mike Mayall, Sedimentology Branch, BP, Britannic House, Moor Lane, London EC2Y 9BU, U.K.)

March 14 - 18, 1988

DETECTION OF SUBSURFACE FLOW PHENOMENA BY SELF-POTENTIAL/GEOELECTRICAL AND THERMOMETRICAL METHODS (International Symposium), Karlsruhe, F.R. Germany. (University of Karlsruhe, Department of Applied Geology, Attn.: Ms A. Kastner, Kaiserstrasse 12, D-7500 Karlsruhe, F.R. Germany)

March 14 - 29, 1988

INTEGRATED EXPLOITATION OF LOCAL NON-METALLIC RAW MATERIALS IN DEVELOPING COUNTRIES (Technical Workshop), Pilsen, Czechoslovakia. Organized by UN Industrial Development Organization. Language English. (Ms. A. Tchekevarian-Asenbauer, Head, Chemical Industries Branch, Department of Industrial Operation, UNIDO, Vienna International Centre, P.O. Box 300, A-1400 Vienna, Austria)

March 18 - 19, 1988

PALEODIET AND PALEOCLIMATE: Stable Isotopic Approaches to the Prehistoric Human Condition (Conference), Los Angeles, Calif., U.S.A. (Michael DeNiro, Department of Earth and Space Sciences, University of California, Los Angeles, CA 90024-1567, U.S.A.)

March 21 - 25, 1988

EUROPEAN GEOPHYSICAL SOCIETY (13th General Assembly), Bologna, Italy. (Prof. Antonio Speranza, Department of Physics, Via Irnerio 46, I-40126 Bologna, Italy)

March 22 - 23, 1988

TSUNAMIS (Meeting), Bologna, Italy. (Prof. Stefano Tinti, Dipartimento di Fisica, Settore di Geofisica, Università degli studi de Bologna, Viale Berti Pichat 8, Bologna, Italy 40127)

March 23, 1988

GENETICS, EVOLUTION, DNA & TECHNIQUES (Research Meeting), London, U.K. The Coelenterate Group. (Dr. J.A.E.B. Hubbard (Coelenterates), King's College, The Strand, London WC2R 2LS, U.K.)

March 23 - 25, 1988

EVOLUTION, SYSTEMATICS AND FOSSIL HISTORY OF THE HAMAMELIDAE (Symposium), Reading, U.K. (Dr. S. Blackmore, British Museum (Natural History), Cromwell Road, London SW7 5BD, England, U.K.)

March 29 - 31, 1988

OMAN REGION GEOLOGY & TECTONICS (Meeting), Edinburgh, Scotland. (A.H.F. Robertson, Grant Institute of Geology, University of Edinburgh, W. Mains Road, Edinburgh EH9 3JW, Scotland, U.K.)

April 1988

GRAPHITE-GEOLOGY, MINING, PROCESSING, MARKETING (International Symposium), Colombo, Sri Lanka. (Prof. P.G. Cooray, 426 Mahakanda Road, Hindagala, Kandy District, Sri Lanka)

April 3 - 8, 1988

★ CRETACEOUS AND TERTIARY PHOSPHORITES (Regional Meeting IGCP-156), Amman, Jordan. Meeting in conjunction with 3rd Jordanian Geological Conference. (Dr. Yehya Al-Rawi, Iraqi IGCP National Committee, Council for Scientific Research, P.O. Box 2441, Baghdad, Iraq)

April 3 - 17, 1988

★ THE CADOMIAN OROGENY (Meeting), Oxford, U.K. Co-sponsored by IGCP-233. (R. D'Lemos, Dept. of Geology, Oxford Polytechnic, Headington, Oxford OX3 0BP, U.K.)

April 11 - 15, 1988

NUMERICAL METHODS IN GEOMECHANICS (6th International Conference), Innsbruck, Austria. (Prof. Dr. G.A. Swoboda, University of Innsbruck, Technikerstrasse 13, A-6020 Innsbruck, Austria)

April 24 - 27, 1988

INDUSTRIAL MINERALS (International Congress), Boston, U.S.A. (Barry Harris, Metal Bulletin Conferences Ltd., Park House, Park Terrace, Worcester Park, Surrey KT4 7HY, England, U.K.)

May 2 - 5, 1988

GEOLOGY INDUSTRIAL MINERALS (24th Annual Meeting), Greenville, South Carolina, U.S.A. (Alan-Jon Zupan, S.C. Geological Survey, Harbison Forest Road, Columbia, SC 29210, U.S.A.)

May 10 - 13, 1988

EARTHQUAKE COUNTERMEASURES (ISEC International Symposium), Beijing, P.R. China. (ISEC Secretariat, c/o State Seismological Bureau, Beijing, P.R. China)

May 15 - 18, 1988

FLUID FLOW IN FRACTURED ROCKS (International Conference), Atlanta, Georgia, U.S.A. (Department of Geology, Hydrogeology Program, Georgia State University, Atlanta, Georgia 30303-3083, U.S.A.)

May 15 - 21, 1988

★ ABRUPT CHANGES IN THE GLOBAL BIOTA (3rd International Conference IGCP 216), Boulder, Colorado, U.S.A. (Prof. E.G. Kauffman, Department of Geological Science, University of Colorado, Campus Box 250, Boulder, CO 80309, U.S.A.)

May 16 - 20, 1988

MARINE SCIENCE AND TECHNOLOGY (Pacific Congress), Honolulu, Hawaii. (PACON 88 c/o Sea Grant College Program, University of Hawaii, Honolulu, HI 96822, U.S.A.)

May 23 - 27, 1988

CLIMATE AND GEOSCIENCES: A CHALLENGE FOR SCIENCE AND SOCIETY IN THE 21st CENTURY (Symposium), Louvain-la-Neuve, Belgium. (Stephen Schneider, NCAR, P.O. Box 3000, Boulder, CO 80307, U.S.A.)

May 25 - 29, 1988

GEOLOGICAL SOCIETY OF GREECE (4th Congress), Athens, Greece. Languages: Greek, English & French. (Prof. D. Papanikolaou, Department of Geology, University of Athens, Panepistimioupoli Zografou, 157 84 Athens, Greece)

June 2 - 3, 1988

★ PACIFIC NEOGENE: CONTINENTAL AND MARINE EVENTS (IGCP 246 International Symposium), Nanjing, P.R. China. Language: English. (Secretariat IGCP-246, Dr. M. Ibaraki, Geoscience Institute, Faculty of Science, Shizuoka University, Shizuoka 422, Japan)

June 17 - 22, 1988

GEOLOGY AND THE BAHAMAS (4th Symposium), San Salvador Island, Bahamas. (Donald T. Gerace, CCFL Bahamian Field Station, 270 Southwest 34th St., Fort Lauderdale, FL 33325, U.S.A.)

June 26 - July 1, 1988

SHELF SEDIMENTATION (SEPM Meeting), Santa Cruz, Calif., U.S.A. (M. Field, U.S. Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025, U.S.A.)

July 10 - 15, 1988

SOIL MICROMORPHOLOGY (International Working Meeting), San Antonio, Texas. (L.P. Wilding, Department of Soil and Crop Sciences, Texas A&M University, College Station, TX 77843-2474, U.S.A.)

July 21 - August 1, 1988

ECOS V (5th International Conodont Symposium), Frankfurt, F.R. Germany. (Prof. W. Ziegler, Forschungsinstitut Senckenberg, Senckenberganlage 25, 6000 Frankfurt a.M. 1, F.R. Germany)

July 25 - 28, 1988

★ THERMODYNAMICS OF NATURAL PROCESSES (International Symposium), Strasbourg, France. Co-sponsored by IGCP and IAGC. Language: English. (Dr. Bertrand Fritz, Institut de Geologie, 1 rue Blessig, F-67084 Strasbourg Cedex, France)

August 1988

GEOLOGICAL MAPS OF THE WORLD (3rd Exhibition), Edinburgh, Scotland. (Mr. D.H. Land, Hon. Secretary, Edinburgh Geological Society, c/o British Geological Survey, Murchison House, West Mains Road, Edinburgh EH9 3LA, Scotland, U.K.)

August 1 - 5, 1988

SEDIMENTOLOGY IN ARGENTINA (2nd National Meeting), Buenos Aires, Argentina. (Prof. Renato R. Andreis, Catedra de Sedimentología - Depto. Ciencias Geológicas, Facultad de Ciencias Exactas y Naturales, Pabellón II - Ciudad Universitaria, (1428) Nunez, Buenos Aires, Argentina)

August 8 - 12, 1988

CORAL REEFS (6th International Symposium), Townsville, Australia. Organized co-operatively with the symposium on Fossil Cnidaria. (Secretariat at UniQuest Limited, University of Queensland, St Lucia Qld 4067, Australia)

August 14 - 19, 1988

THE ORIGIN AND EVOLUTION OF ANORTHOSITES AND ASSOCIATED ROCKS (GSA Penrose Conference), Chugwater, Wyoming, U.S.A. (B. Ronald Frost, Department of Geology, University of Wyoming, P.O. Box 3006 University Station, Laramie, WY 82071, U.S.A.)

August 14 - 21, 1988

NATURAL AND MAN-MADE HAZARDS IN COASTAL ZONES (International Conference), Ensenada, Baja California, Mexico. (Tsunami Society/Hazards Conference, Suite 6, 2919 Kapiolani Blvd., Honolulu, Hawaii 96826, U.S.A.)

August 15 - 18, 1988

TRACE METALS IN LAKES (International Conference), Burlington, Canada (Dr. Ken R. Lum, National Water Research Institute, P.O. Box 5050, Burlington, Ontario, Canada L7R 4A6)

August 16 - 19, 1988

DEPOSITION OF SOLIDS IN GEOTHERMAL SYSTEMS (International Workshop), Reykjavik,

Coming Events

Iceland. (Dr. J.S. Gudmundsson, Geothermal Division, National Energy Authority, Grensasvegur 9, 108 Reykjavik, Iceland)

August 23 - 29, 1988

★ **SUPER-DEEP CONTINENTAL DRILLING AND DEEP SOUNDING** (International Seminar), Jaroslavl (Wolga), U.S.S.R. Organized and sponsored by Ministry of Geology of the U.S.S.R. and ICL. (Prof. K. Fuchs, Geophysical Institute, Karlsruhe University, Hertz-Str. 16, 7500 Karlsruhe 21, F.R.G.)

August 23 - 31, 1988

OCEANOGRAPHIC ASSEMBLY, Acapulco, Mexico. (Roberto Gutiérrez Galera, Joint Oceanographic Assembly 1988, c/o Direccion Adjunta de Asuntos, Internacionales CONACYT, Aptdo. Postal 20033, 04515 México DF, México)

August 28 - September 2, 1988

★ **CLAY** (AIPEA 9th International Conference), Strasbourg, France. (Dr. Helene Paquet, 9th International Clay Conference, Institut de Geologie, 1 rue Blessig, F-67084 Strasbourg Cedex, France)

August 28 - September 3, 1988

VOLCANIC INFLUENCES ON TERRESTRIAL SEDIMENTATION (GSA Penrose Conference), Crystal Mountain, Washington, U.S.A. (Gary A. Smith, Department of Geology, University of New Mexico, Albuquerque, NM 87131, U.S.A.)

September 4 - 9, 1988

APPLIED GLACIOLOGY (3rd Symposium), Norway. (Mrs. H. Richardson, International Glaciological Society, Lensfield Road, Cambridge CB2 1ER, England, U.K.)

September 5 - 10, 1988

★ **FAN DELTAS** (International Workshop), Calabria, Italy. Sponsored by IAS. (Dr. Albina Colella, Dipartimento di Scienze della Terra, Università della Calabria, 87030 Castiglione Cosentino SC, Italy)

September 7 - 10, 1988

★ **ASIAN MARINE GEOLOGY** (International Conference), Shanghai, P.R. China. Co-sponsored by IUGS Commission for Marine Geology. (Prof. Wang Pinxian, Department of Marine Geology, Tongji University, Shanghai 200092, P.R. China)

September 13 - 16, 1988

PROGRESS IN THE DETERMINATION OF THE EARTH'S GRAVITY FIELD (Chapman Conference), Fort Lauderdale, Florida, U.S.A. (MMP: Gravity Field Conference), American Geophysical Union, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

September 19 - 23, 1988

GPS MEASUREMENTS FOR GEODYNAMICS (Chapman Conference), Fort Lauderdale, Florida, U.S.A. (MMP: GPS Chapman Conference, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

September 19 - 30, 1988

TECTONOSTRATIGRAPHIC TERRANE (4th International Conference), Nanjing, P.R. China. (Tom Wiley, U.S. Geological Survey, MS-999, 345 Middlefield Road, Menlo Park, CA 94025, U.S.A.)

September 20 - 22, 1988

BARITE (Symposium), Kutna Hora, Czechoslovakia. (Geological Survey/UUG Symposium Barite, Malostranské nám. 19, 118 21 Praha 1, Czechoslovakia)

September 21 - 23, 1988

GEOLOGICAL SOCIETIES OF THE BRITISH ISLES (Meeting), London, U.K. (Dave Cook, Esso UK, Biwater House, Portsmouth Road, Esher, Surrey KT10 9SJ, U.K.)

October 2 - 6, 1988

★ **GLACIOTECTONICS** (INQUA Field Meeting & Workshop), Norfolk, England, U.K. (Dr. D.G.

Croft, Department of Geographical Sciences, Plymouth Polytechnic, Drake Circus, Plymouth PL4 8AA, Devon, England, U.K.)

October 11 - 17, 1988

GEOLOGY '88, CHINA (International Exhibition), Beijing, P.R. China. (M.C. Morley-Hall, SHK International Services Ltd., 3/F Prince Rupert House, 64 Queen Street, London EC4R 1AD, England, U.K.)

November 10 - 14, 1988

EXPLORATION AND DEVELOPMENT OF GEOTHERMAL RESOURCES (Meeting), Kumamoto and Beppu, Japan. (Geothermal Research Society, c/o Geological Survey of Japan, 1-1-3 Higashi, Yatabe, Tsukuba, Ibaraki 305, Japan)

November 21 - 26, 1988

★ **THE HOLOCENE OF SOUTH AMERICA** (International Symposium), Parana, Argentina. INQUA and CADINQUA. (Dr. Martin Iriondo, Casilla de Correo 487, 3100 Parana, Argentina)

1989

January 15 - 27, 1989

OMAN OPHIOLITE-STRUCTURE-PETROLOGY-STRATIGRAPHY (International Symposium), Muscat, Sultanate of Oman. (Secretary, Hilal Azry, Ministry of Petroleum and Minerals, P.O. Box 551, Muscat, Oman)

March 13 - 17, 1989

EUROPEAN GEOPHYSICAL SOCIETIES (General Assembly), Barcelona, Spain. (Dr. G.M. Brown, Department of Physics, University College of Wales, Aberystwyth SY23 3BZ, Wales, U.K.)

April 1989

SEA LEVEL CHANGES AT ACTIVE PLATE MARGINS (Joint Meeting Geological Society and International Association of Sedimentologists), London, U.K. (David McDonald, British Antarctic Survey, High Cross, Madingley Road, Cambridge CB3 0ET, U.K.)

April 1989

MODERN AND ANCIENT CONTINENTAL SHELF ANOXIA (Interdisciplinary Meeting), London. (Dr. R.V. Tyson, Department of Geological Sciences, University College, London, England, U.K.)

April 1 - 6, 1989

GEODYNAMICS AND SEISMIC SOURCE PROCESSES - STRESS, STRENGTH AND VISCOSITY IN THE LITHOSPHERE (Meeting), Potsdam, German Democratic Republic. (Prof. E. Hurlig, ZIPE, Potsdam, DDR 1561, German Democratic Republic)

April 24 - 26, 1989

★ **SEDIMENTOLOGY** (10th European Regional Meeting), Budapest. IAS. (Mrs. A. Lukacs, Hungarian Geological Institute, Budapest XIV, Népstadion ut 14 H-1143, Hungary)

May 17 - 18, 1989

GOLD IN EUROPE (International Conference), Toulouse, France. (R.P. Foster, Department of Geology, University of Southampton, Hants. SO9 5NH, U.K.)

May 18 - 20, 1989

IMAGE ANALYSIS IN MINERAL AND EARTH SCIENCES (CANMET/GAC/MAC Workshop), Ottawa, Canada. (Dr. Paul Mainwaring, MPL, CANMET, 555 Booth Street, Ottawa, Ontario, Canada K1A 0G1)

June 26 - 29, 1989

★ **ENGINEERING GEOLOGY IN TROPICAL TERRAINS** (International Conference), Selangor Darul Ehsan, Malaysia. Co-sponsored by IAEG. (Secretariat, International Conference, Dept. of Geology, Universiti Kebangsaan Malaysia, 43600 Bangi, Selangor Darul Ehsan, Malaysia)

July 22 - 24, 1989

★ **TECTONOTHERMAL EXPRESSION OF TERRANE ACCRETION WITHIN THE APPALACHIAN OROGEN** (IGCP 233 International Conference), Athens, Georgia, U.S.A. (R.D. Dallmeyer, Department of Geology, University of Georgia, Athens, GA 30602, U.S.A.)

August 14 - 16, 1989

★ **PRECAMBRIAN GRANITOIDS: Petrogenesis, Geochemistry, and Metallogeny** (IGCP 217 and 247 Symposium), Helsinki, Finland. (Precambrian Granitoids Symposium, Department of Geology, University of Helsinki, P.O. Box 115, SF-00171 Helsinki, Finland)

August 21 - September 1, 1989

IASPEI (25th General Assembly), Istanbul, Turkey. (Dr. Otkay Ergunay, Earthquake Research Division, Ministry of Public Works and Settlement, Yuksel Cad No. 7/F, Ankara, Turkey)

September 4 - 13, 1989

★ **MICROPALAEONTOLOGICAL COLLOQUIUM** (26th), Budapest, Hungary. IPA. (Dr. A. Nagymarosy, Department of Geology, "Eötvös L." University, Budapest VIII, Muzeum krt. 4/A H-1088, Hungary)

October 2 - 4, 1989

★ **GEOCHEMICAL EXPLORATION** (13th International Symposium), Rio de Janeiro, Brazil. Co-sponsored by AEG. (Organizing Committee, 13th IGES, P.O. Box 2432, 20010 Rio de Janeiro, Brazil)

October 2 - 4, 1989

FLUVIAL SEDIMENTOLOGY (4th International Conference), Barcelona, Spain. (C. Puigdefàbregas, Servei Geològic de Catalunya, carrer Diputació 92, 08015 Barcelona, Spain)

October 2 - 5, 1989

INNOVATIONS IN MINING BACKFILL TECHNOLOGY (4th International Symposium), Ottawa, Canada. (Prof. F.P. Hassani, Dept. of Mining and Metallurgical Engineering, McGill University, 3480 University Street, Montreal, Quebec, Canada H3A 2A7)

1990

Spring 1990

LAND SUBSIDENCE (4th International Symposium), Bangkok, Thailand. (Mr. A.I. Johnson, 7474 Upham Court, Arvada, CO 80003, U.S.A.)

August 12 - 18, 1990

INTERNATIONAL MINERALOGICAL ASSOCIATION (15th Meeting), Beijing, China. (Prof. Huang Yunhui, Institute of Mineral Deposits, Chinese Academy of Geological Sciences, Baiwanzhuang Rd. 26, Fuchengmenwai, Beijing, China)

October 1990

EUROPEAN GEOLOGICAL SOCIETIES (6th Meeting), Lisbon, Portugal. (Rogério Rocha, Geological Society of Portugal, Faculdade de Ciências, R. Escola Politécnica, P-1294 Lisboa Codex, Portugal)

LATE ENTRY

April 24 - 29, 1988

HYDROLOGICAL PROCESSES AND WATER MANAGEMENT IN URBAN AREAS (International Symposium), Duisburg, F.R.G. Sponsored by Unesco. (IHP/OHP - Sekretariat, c/o Bundesanstalt für Gewässerkunde, Pf 309, D-5400 Koblenz, F.R.G.)